

# Lindsay Cheng

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## EDUCATION

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### University of Toronto St. George

BASc Chemical Engineering Student + PEY Co-op, 3.80/4.0 GPA

Toronto, ON

Sep 2024 – April 2029

## EXPERIENCE

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### Assistant Badminton Coach

Lee's Badminton Training Centre

Oct 2023 – Present

Markham, ON

- Coordinated group lessons of 20-30 players of varying ages and skill levels, emphasizing proper technique, drills, and game strategy
- Built positive relationships with coaches and clients, enhancing team communication and leadership abilities
- Developed patience and articulation skills, especially in managing young students and non-English speakers ensuring inclusivity and engagement

### Royal Canadian Air Cadets

778 Banshee Squadron

Sep 2018 – June 2024

Richmond Hill, ON

- Led 20+ cadets during overnight field training exercises, conducting lessons teaching survival skills and coordinating outdoor survival evaluations
- Developed leadership and communication through consistent participation in cadet training activities
- Managed administrative tasks including attendance, setup, security, and technological support for squadron activities
- Earned the Canadian Air Cadet Service Medal for 6 years of exemplary service with 778 Banshee Squadron, demonstrating long-term commitment and dedication

## PROJECTS

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### Weather Station Data PCA | Matlab

- Analyzed British Columbia weather data using PCA, eigenvalue decomposition, and least squares regression in MATLAB
- Preprocessed datasets and reduced dimensionality by filtering noise and identifying key environmental patterns
- Identified links between regional weather, ocean temperatures, and forest fires through statistical insights

### Simon Says Game | Arduino, C++

- Developed a Simon Says game using Arduino and C++, featuring LEDs, buttons, and a speaker
- Programmed dynamic gameplay with increasing difficulty and a sound effect for incorrect inputs

### Portfolio Website | HTML, CSS, JavaScript

- Designed and implemented a responsive personal portfolio website using HTML, CSS, and JavaScript, showcasing projects and technical skills
- Integrated interactive features and optimized layout for a seamless user experience across devices

### Engineering Design Project | Team Coordinator

- Coordinated a team of five to redesign the Bahen Courtyard, focusing on food access and sustainability
- Coordinated deadlines and work distribution by implementing team management strategies, improving productivity by 20%
- Conducted site analysis and stakeholder research to address accessibility and safety issues

## SKILLS

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**Languages:** Python, C, C++, MATLAB, JavaScript, HTML, CSS, Lua

**Frameworks:** React, NodeJS

**Developer Tools:** VSCode, Github, Git